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1 Tutorial: towards dynamic web services
Luciano Baresi, Sam Guinea
May 2006   **ICSE '06:** Proceedings of the 28th international conference on Software engir
Publisher: ACM
Full text available: 📄 Pdf (80.19 KB)   Additional Information: full citation, abstract, references, index t

Bibliometrics: Downloads (6 Weeks): 14, Downloads (12 Months): 103, Citation Count: 0

This tutorial introduces *dynamic web services* as a solution to cope with the dynamism
required by many modern software systems. Current technologies (WSDL, WS-BPEL, e
insufficient in addressing these issues; however, ...

2 Non-intrusive monitoring and service adaptation for WS-BPEL
Oliver Moser, Florian Rosenberg, Schahram Dustdar
April 2008   **WWW '08:** Proceeding of the 17th international conference on World Wide W
Publisher: ACM
Full text available: 📄 Pdf (448.54 KB)   Additional Information: full citation, abstract, references, cited b

Bibliometrics: Downloads (6 Weeks): 52, Downloads (12 Months): 299, Citation Count: 5

Web service processes currently lack monitoring and dynamic (runtime) adaptation me
highly dynamic processes, services frequently need to be exchanged due to a variety c
paper we present VieDAME, a system which allows monitoring ...

Keywords: BPEL, message mediation, monitoring, quality of service, service selection

3 Self-healing BPEL processes with Dynamo and the JBoss rule engine
Luciano Baresi, Sam Guinea, Liliana Pasquale
September 2007 **ESSPE '07:** International workshop on Engineering of software services f
                environments: in conjunction with the 6th ESEC/FSE joint meeting
Publisher: ACM
Full text available: 📄 Pdf (571.67 KB)   Additional Information: full citation, abstract, references

Bibliometrics: Downloads (6 Weeks): 38, Downloads (12 Months): 198, Citation Count: 3

Many emerging domains such as ambient intelligence, context-aware applications, and
computing are embracing the assumption that their software applications will be deplo
world. By adopting the Service Oriented Architecture paradigm, ...

4 TOP-K projection queries for probabilistic business processes
Daniel Deutch, Tova Milo
March 2009 **ICDT '09:** Proceedings of the 12th International Conference on Database The
Publisher: ACM
Full text available: 📄 Pdf (741.54 KB)   Additional Information: full citation, abstract, references

Bibliometrics: Downloads (6 Weeks): 21, Downloads (12 Months): 21, Citation Count: 0

A Business Process (BP) consists of some business activities undertaken by one or mor
pursuit of some business goal. Tools for querying and analyzing BP specifications are e
for companies. In particular, given a BP ...

5 Deploying and managing Web services: issues, solutions, and directions
Qi Yu, Xumin Liu, Athman Bouguettaya, Brahim Medjahed
May 2008   **The VLDB Journal — The International Journal on Very Large Data Bas**
3
Publisher: Springer-Verlag New York, Inc.
Full text available: Pdf (903.96 KB)   Additional Information: full citation, abstract, references, cited b

Bibliometrics: Downloads (6 Weeks): 290, Downloads (12 Months): 1676, Citation Count: 2

Web services are expected to be the key technology in enabling the next installment o
form of the Service Web. In this paradigm shift, Web services would be treated as first

Keywords: Interoperability, Service-oriented computing, Web service management s)

6 Communications of the ACM: Volume 52 Issue 2
February 2009 Communications of the ACM
Publisher: ACM
Full text available: Digital Edition , Pdf (7.09 MB) Additional Information: full citation

Bibliometrics: Downloads (6 Weeks): 1174, Downloads (12 Months): 2763, Citation Count: 0

7 CWSC4EC: how to employ context, web service, and community in enterprise coll
Khouloud Boukadi, Chirine Ghedira, Sodki Chaari, Lucien Vincent, Emad Bataineh
June 2008   **NOTERE '08:** Proceedings of the 8th international conference on New technol
distributed systems
Publisher: ACM
Full text available: Pdf (2.87 MB)   Additional Information: full citation, abstract, references, index t

Bibliometrics: Downloads (6 Weeks): 16, Downloads (12 Months): 87, Citation Count: 0

Web services are becoming an essential support for inter-enterprise collaborative busir
Nevertheless, in spite of the crucial progress in Web service technologies there is some
especially in the discovery and selection phase. In ...

Keywords: collaborative business process, collaborative business process creation, co
context, web service

8 Flexible provisioning of web service workflows
Sebastian Stein, Terry R. Payne, Nicholas R. Jennings
February 2009 **Transactions on Internet Technology (TOIT)** , Volume 9 Issue 1
Publisher: ACM
Full text available: Pdf (1.05 MB)   Additional Information: full citation, abstract, references, index t

Bibliometrics: Downloads (6 Weeks): 148, Downloads (12 Months): 258, Citation Count: 1

Web services promise to revolutionize the way computational resources and business p
offered and invoked in open, distributed systems, such as the Internet. These services
using machine-readable metadata, which enables consumer ...

Keywords: Web services, semantic Web services, service composition, service provisi
oriented computing, workflows

9

Communications of the ACM: Volume 51 Issue 7

July 2008   Communications of the ACM

Publisher: ACM

Full text available: Digital Edition , Pdf (6.54 MB) Additional Information: full citation

Bibliometrics: Downloads (6 Weeks): 4309, Downloads (12 Months): 8956, Citation Count: 0

10 Detection and resolution of atomicity violation in service composition

Chunyang Ye, S. C. Cheung, W. K. Chan, Chang Xu

September 2007 **ESEC-FSE '07:** Proceedings of the the 6th joint meeting of the European engineering conference and the ACM SIGSOFT symposium on The founda engineering

Publisher: ACM

Full text available: Pdf (394.03 KB)   Additional Information: full citation, abstract, references, index t

Bibliometrics: Downloads (6 Weeks): 8, Downloads (12 Months): 130, Citation Count: 0

Atomicity is a desirable property that safeguards application consistency for service co service composition exhibiting this property could either complete or cancel itself withc effects. It is possible to achieve this property ...

Keywords: atomicity, behavior constraint, implicit interaction, web services

11 Business-to-business interactions: issues and enabling technologies

B. Medjahed, B. Benatallah, A. Bouguettaya, A. H. H. Ngu, A. K. Elmagarmid

May 2003   **The VLDB Journal — The International Journal on Very Large Data Bas**
1

Publisher: Springer-Verlag New York, Inc.

Full text available: Pdf (558.34 KB)   Additional Information: full citation, abstract, references, cited b

Bibliometrics: Downloads (6 Weeks): 113, Downloads (12 Months): 1010, Citation Count: 23

Business-to-Business (B2B) technologies pre-date the Web. They have existed for at le Internet. B2B applications were among the first to take advantage of advances in com| The Electronic Data Interchange (EDI) business ...

Keywords: B2B Interactions, Components, E-commerce, EDI, Web services, Workflov

12 A taxonomy for multimedia service composition

Klara Nahrstedt, Wolf-Tilo Balke

October 2004 **MULTIMEDIA '04:** Proceedings of the 12th annual ACM international confer Multimedia

Publisher: ACM

Full text available: Pdf (272.55 KB)   Additional Information: full citation, abstract, references, cited b

Bibliometrics: Downloads (6 Weeks): 11, Downloads (12 Months): 68, Citation Count: 6

The realization of multimedia systems still heavily relies on building monolithic system: reengineered for every change in the application and little of which can be reused in su developments even for similar applications. Hence, ...

Keywords: multimedia service composition, service-oriented architectures

13 Serviguration: towards online configurability of real-world services

Ziv Baida, Hans Akkermans, Jaap Gordijn

September 2003 **ICEC '03:** Proceedings of the 5th international conference on Electronic c

Publisher: ACM

Full text available: Pdf (322.59 KB)   Additional Information: full citation, abstract, references, cited b

Bibliometrics: Downloads (6 Weeks): 4,   Downloads (12 Months): 41,   Citation Count: 2

Current eCommerce is still mainly characterized by the relatively straightforward tradir
goods. Nextgeneration efforts in worldwide information infrastructure, especially the S
Web Services, contribute some necessary, but ...

Keywords: SemanticWeb technologies, collaborative eCommerce, configuration, ontol
product/service description

14 Assured service quality by improved fault management
Andreas Hanemann, Martin Sailer, David Schmitz
November 2004 **ICSOC '04:** Proceedings of the 2nd international conference on Service or
Publisher: ACM
Full text available: Pdf (209.39 KB)   Additional Information: full citation, abstract, references, cited b

Bibliometrics: Downloads (6 Weeks): 35,   Downloads (12 Months): 193,   Citation Count: 1

The paradigm shift from device-oriented to service-oriented management has also imp
area of event correlation. Today's event correlation mainly addresses the correlation of
reported from management tools. However, a correlation ...

Keywords: event correlation, fault management, service level agreements, service m

15 Information retrieval on the web
Mei Kobayashi, Koichi Takeda
June 2000 **Computing Surveys (CSUR)** , Volume 32 Issue 2
Publisher: ACM
Full text available: Pdf (213.89 KB)   Additional Information: full citation, abstract, references, cited b

Bibliometrics: Downloads (6 Weeks): 248,   Downloads (12 Months): 1995,   Citation Count: 52

In this paper we review studies of the growth of the Internet and technologies that are
information search and retrieval on the Web. We present data on the Internet from se
sources, e.g., current as well as projected number ...

Keywords: Internet, World Wide Web, clustering, indexing, information retrieval, kno
management, search engine

16 Communications of the ACM: Volume 51 Issue 12
December 2008 Communications of the ACM
Publisher: ACM
Full text available: Digital Edition , Pdf (6.91 MB) Additional Information: full citation

Bibliometrics: Downloads (6 Weeks): 1007,   Downloads (12 Months): 3445,   Citation Count: 0

17 Towards fault tolerance in web services compositions
Nuno Laranjeiro, Marco Vieira
September 2007 **EFTS '07:** Proceedings of the 2007 workshop on Engineering fault toleran
Publisher: ACM
Full text available: Pdf (242.99 KB)   Additional Information: full citation, abstract, references, index i

Bibliometrics: Downloads (6 Weeks): 11,   Downloads (12 Months): 117,   Citation Count: 0

Many businesses are now moving towards the use of composite web services that are l
collection of web services working together to achieve an objective. Although they are

business-critical elements, current development support tools ...

Keywords: composition, diversity, fault tolerance, web services

18 Web services provision: solutions, challenges and opportunities (invited paper)
Qing Li, An Liu, Hai Liu, Baoping Lin, Liusheng Huang, Naijie Gu
February 2009 **ICUIMC '09:** Proceedings of the 3rd International Conference on Ubiquitou
Management and Communication
Publisher: ACM
Full text available: Pdf (323.43 KB)   Additional Information: full citation, abstract, references

Bibliometrics: Downloads (6 Weeks): 45, Downloads (12 Months): 45, Citation Count: 0

Web services provision is the process of assigning particular services to the constituen
processes. It describes a promising scenario where services are dynamically chosen an
business process according to their functional ...

19 A framework for the server-side management of conversations with web services
Liliana Ardissono, Davide Cardinio, Giovanna Petrone, Marino Segnan
May 2004   **WWW Alt. '04:** Proceedings of the 13th international World Wide Web confer
track papers & posters
Publisher: ACM
Full text available: Pdf (143.52 KB)   Additional Information: full citation, abstract, references, index t

Bibliometrics: Downloads (6 Weeks): 7, Downloads (12 Months): 55, Citation Count: 1

The emerging standards for the publication of Web Services are focused on the specific
interfaces of the operations to be invoked, or on the service composition. Few efforts h
specify the interaction between a Web Service ...

Keywords: service oriented architectures, tools and technologies for web services dev

20 Policy-driven middleware for self-adaptation of web services compositions
Abdelkarim Erradi, Piyush Maheshwari, Vladimir Tosic
November 2006 **Middleware '06:** Proceedings of the ACM/IFIP/USENIX 2006 Internationa
Middleware
Publisher: Springer-Verlag New York, Inc.
Full text available: Pdf (1.93 MB)   Additional Information: full citation, abstract, references

Bibliometrics: Downloads (6 Weeks): 15, Downloads (12 Months): 15, Citation Count: 0

We present our policy-based middleware, called Manageable and Adaptive Service Con
(MASC), for dynamic self-adaptation of Web services compositions to various changes.
and extends our earlier middleware called the Web Services ...

Keywords: microsoft .NET, policy-based management and adaptation, web services c
services middleware

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